

Serial No. 10/773,326
Amdt. dated September 14, 2006
Reply to Office Action of June 16, 2006

Docket No. P-0655

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A controlling apparatus of a mobile communication terminal using electrostatic detection, comprising:
 - an electrostatic detector for sensing a voltage at a higher than predetermined level and outputting it as a logic signal;
 - a display unit for displaying screen data stored in an internal memory;
 - a memory unit for storing in real time the screen data displayed by the display unit; and
 - a controller for recognizing occurrence of static electricity through an output of the electrostatic detector and resetting the display unit if the screen data stored in the memory unit and the screen data displayed on the display unit are different, the controller continuously maintaining an operation state of the display unit if the screen data stored in the memory unit and the screen data displayed on the display unit are identical.

2. (Original) The apparatus of claim 1, wherein the electrostatic detector comprises:
 - a diode which forwardly conducts at a voltage greater than a predetermined value;

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a resistor for reducing a voltage of an electrostatic signal which has passed through the diode to an internally acceptable voltage; and

a logic circuit unit for outputting a logic signal by using the voltage-dropped electrostatic signal.

3. (Original) The apparatus of claim 2, wherein the logic circuit unit comprises:
 - an RC delay circuit for delaying a setup time of the electrostatic signal which has passed the resistor; and
 - a flip-flop for receiving the resistor-passed electrostatic signal and a signal of the RC delay circuit and outputting a logic signal.

4. (Original) The apparatus of claim 3, wherein the flip-flop is a D type flip-flop.

5. (Original) The apparatus of claim 3, wherein the flip-flop provides the logic signal to a general port of the controller and then receives a reset signal from the controller.

6. (Original) The apparatus of claim 1, wherein the controller resets the display unit and the electrostatic detector.

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7. (Currently amended) A controlling method of a mobile communication terminal using electrostatic detection, comprising:

recognizing occurrence of static electricity;

comparing screen data stored in a memory unit and screen data stored in an internal memory of a display unit; ~~and~~

resetting the display unit if the compared screen data are ~~different~~different; and
continuously maintaining an operation state of the display unit if the compared screen data are identical.

8. (Currently amended) The method of claim 7, wherein the step of resetting the display unit further comprises:

resetting an electrostatic detector.

9. (Currently amended) The method of claim 7, wherein the step of recognizing occurrence of static electricity comprises:

~~a step in which outputting a logic signal by an electrostatic detector~~ if a voltage greater than a prescribed value is generated, ~~an electrostatic detector outputs a logic signal~~; and
~~a step in which recognizing by a controller recognizes the occurrence of static electricity upon receipt of the logic signal.~~

10. (Currently amended) A controlling method of a mobile communication terminal using electrostatic detection, comprising:

~~a step in which applying a voltage greater than a predetermined value is applied to an electrostatic detector;~~

~~a step in which transmitting by the electrostatic detector transmits a logic signal to a controller;~~

~~a step in which comparing screen data stored in a memory unit and screen data stored in an internal memory of a display unit; are compared; and~~

~~a step in which resetting the display unit and the electrostatic detector if the compared screen data are different; and different, the display unit and the electrostatic detector are reset~~

continuously maintaining an operation state of the display unit if the compared screen data are identical.

11. (Canceled)